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# 20mer Array

Hybridized with control oligonucleotide

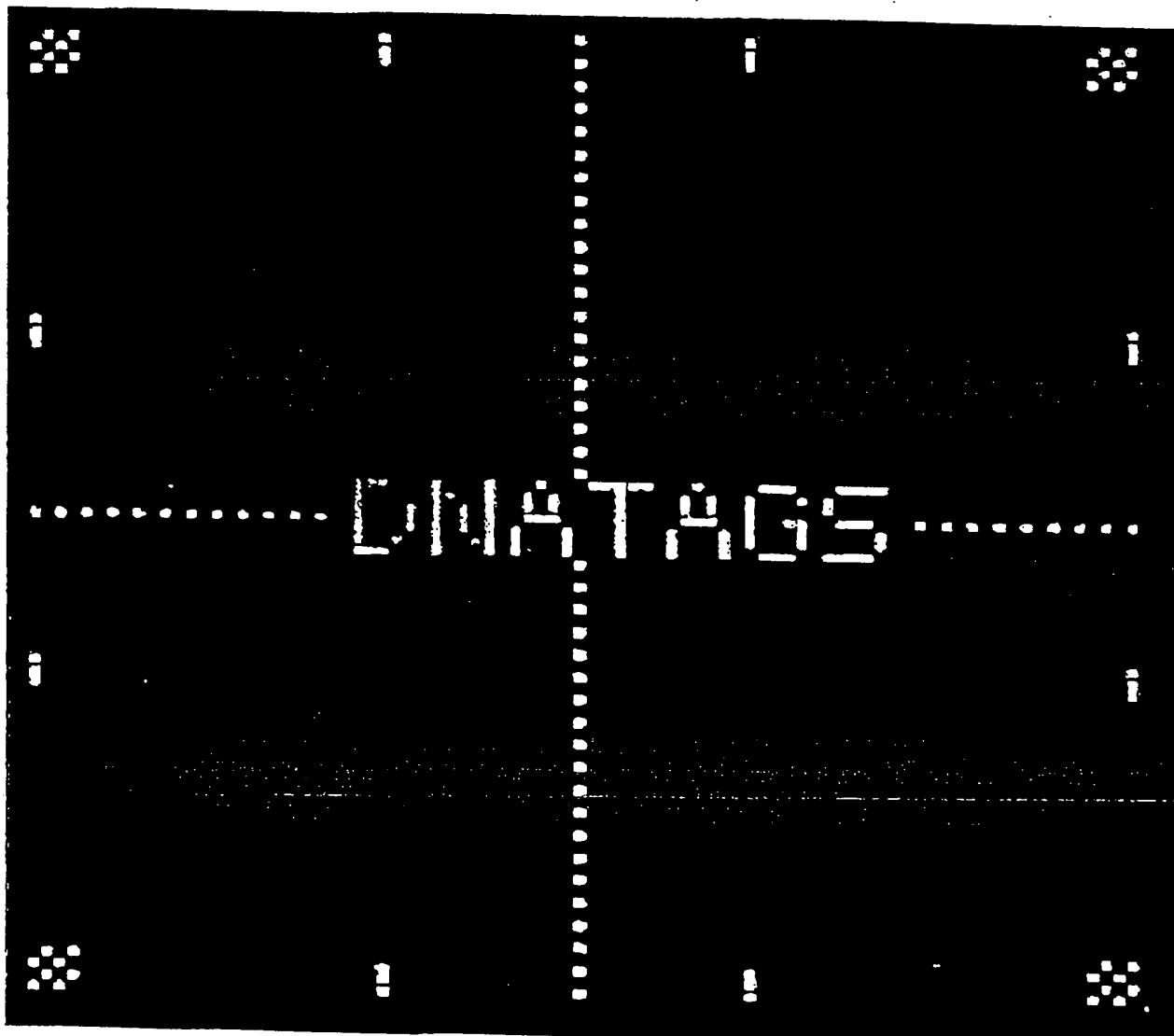


Figure 1

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# PCR Deletion Strategy

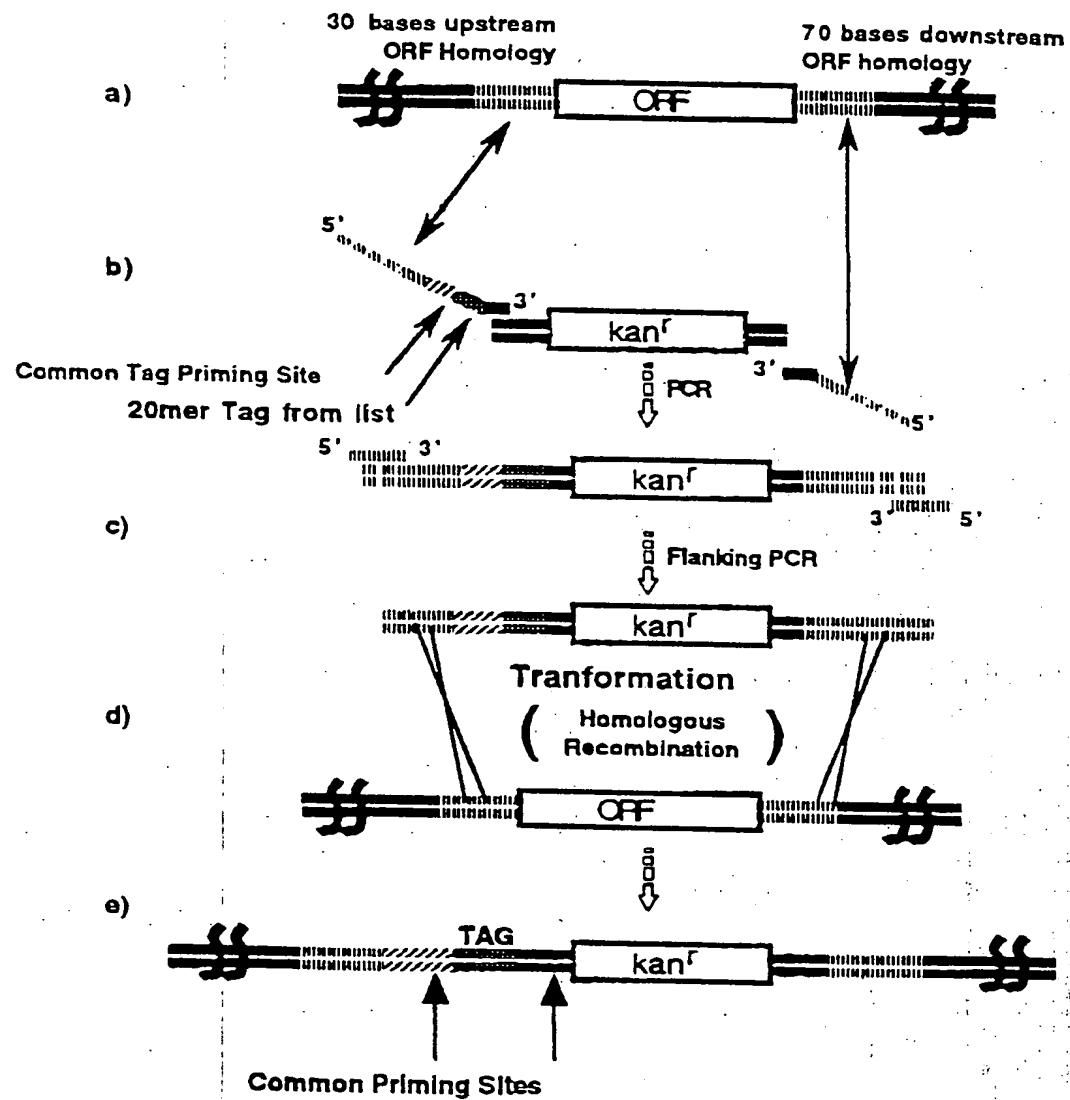


Figure 2

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Up-stream 86mer  
 UP-STREAM ADE 1 HOMOLOGY TAG PRIMING SITE 20MER TAG kan<sup>r</sup> homology  
AAAGAATAACACATAACGAAATTTAACGATAGATGTCACCGAGCTCTTTCGCGCCACAAACAAACTATAGTGAGTCGTAT

Up-stream flanking 20mer  
AAAGAATAACACATAACGAAAT

Down-stream 66mer  
 DOWN-STREAM ADE 1 HOMOLOGY kan<sup>r</sup> homology  
ATTCACTGAGGAGTTACACTGGGACTTGTAGTATATGAAATCACGTTAACAGCTATGACCATG

Down-stream flanking 20mer  
ATTCACTGAGGACTTACACT

Figure 3

Transformation Results

ORF	GeneBank	ORF size	Transformation efficiency	20mer TAG (x,y)	SEQUENCE
ADE 1	M61209	320aa	100% (8/8)	(6,0)	tttgggtgcggccacaaacaa
ADE 2	M59824	520aa	50% (4/8)	(7,1)	ggctctcgacaaatctcaaa
ADE 3	G7733	945aa	50% (4/8)	(8,0)	gtgtgttccaaagcacgaaaa
ADE 4	M74309	530aa	100% (8/8)	(9,1)	gcgccttcgccaacagataaa
ADE 5	X04337	802aa	100% (8/8)	(10,0)	gcctgtgtgaaaaccataaaa
ARO A1	X60190	377aa	75% (6/8)	(11,1)	gggggttccaaacaatgcacaa
ARO 7	M24517	256aa	100% (8/8)	(12,0)	gccttcgcaacaatggacaa
TRP 2	K01388	529aa	100% (8/8)	(13,1)	cctctcgacaaatggtacaa
TRP 3	K01386	485aa	88% (7/8)	(14,0)	ggctctgttccaaatcaccaa
TRP 4	X04273	380aa	75% (6/8)	(15,1)	gcagatgccaacggtccaa
TRP 5	V01342	707aa	88% (7/8)	(16,0)	gccccgaggccaaattcagcaa

Figure 4

## Tag Analysis

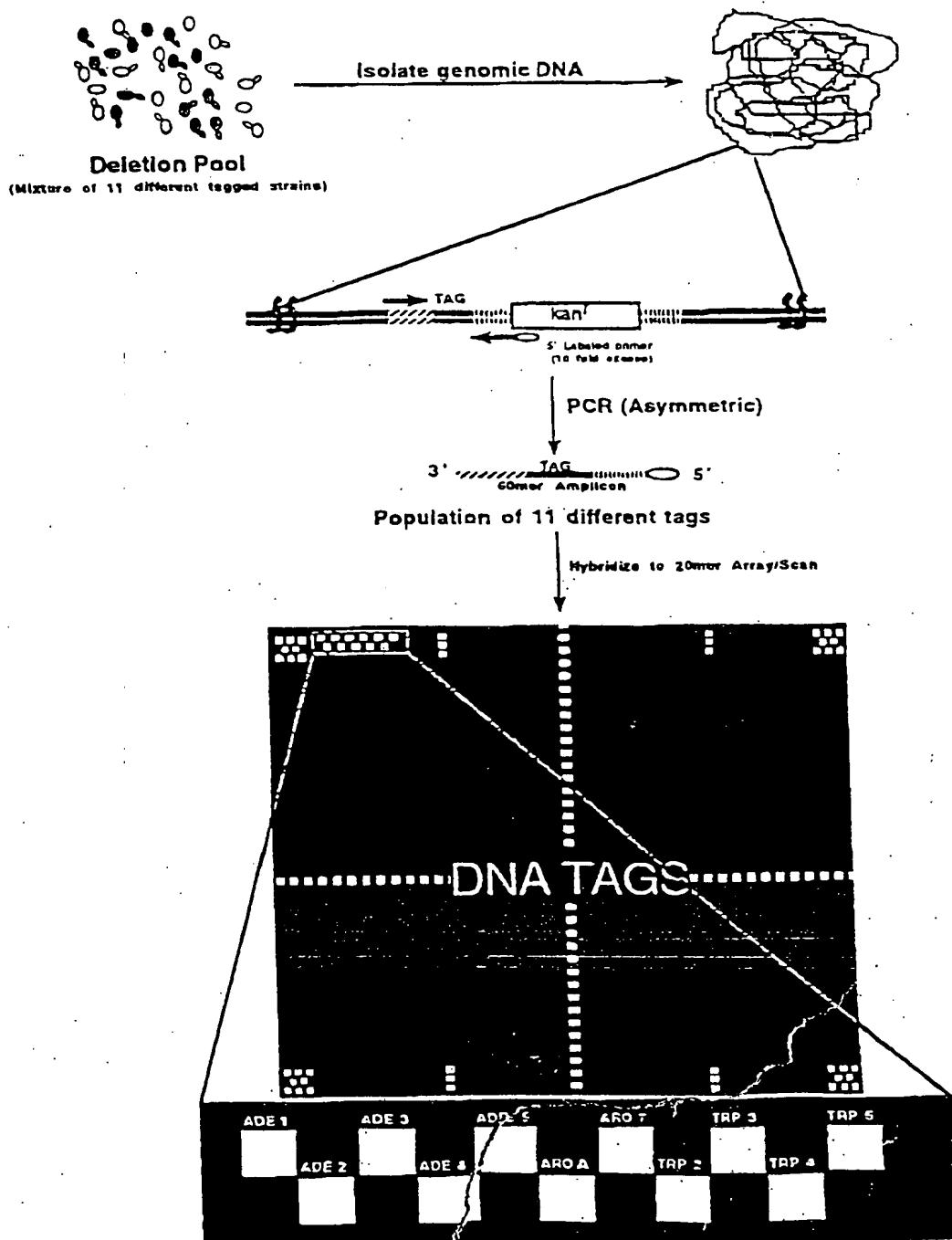


Figure 5

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# COMPLETE MEDIA

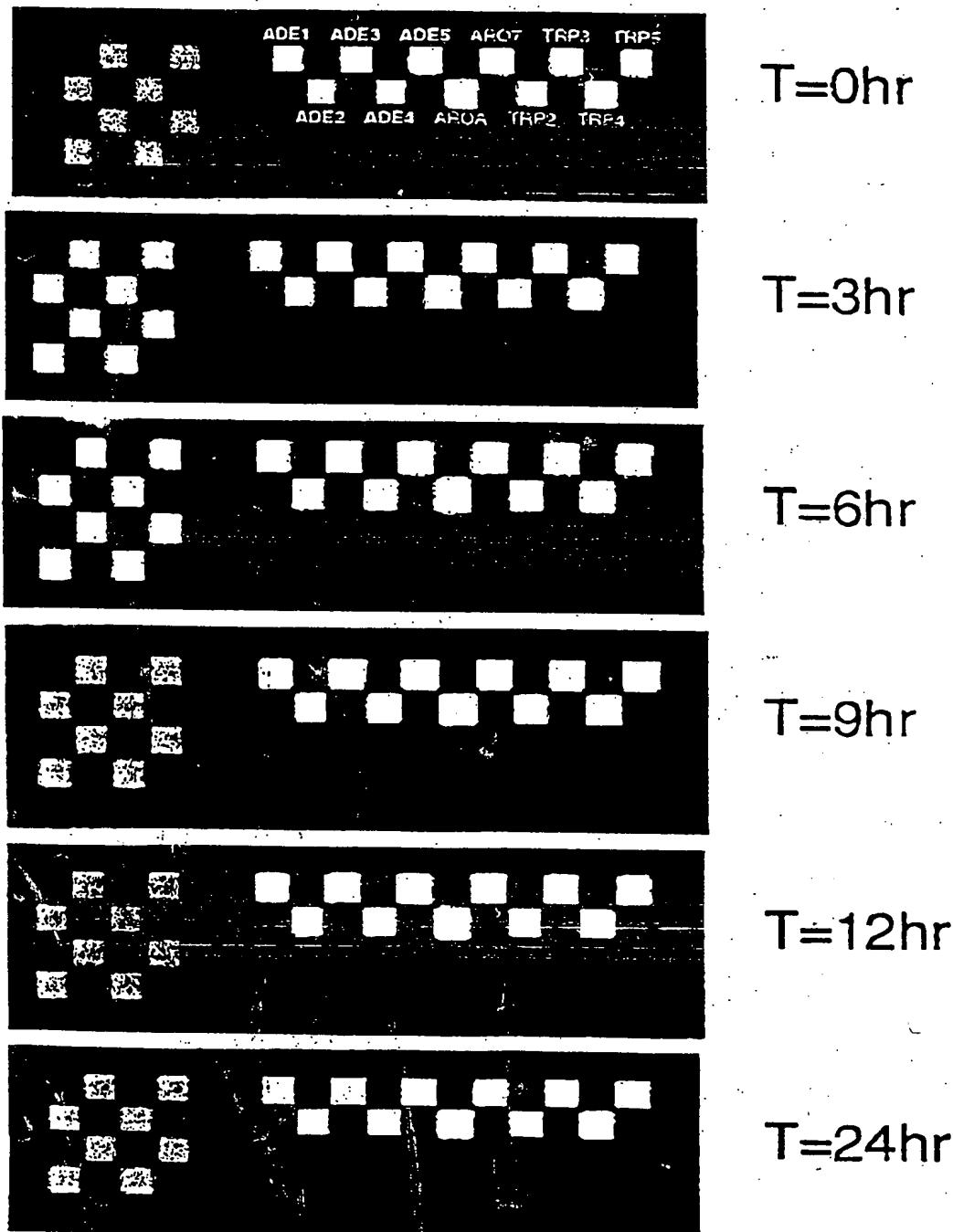


Figure 6A

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# ADE DROP-OUT MEDIA

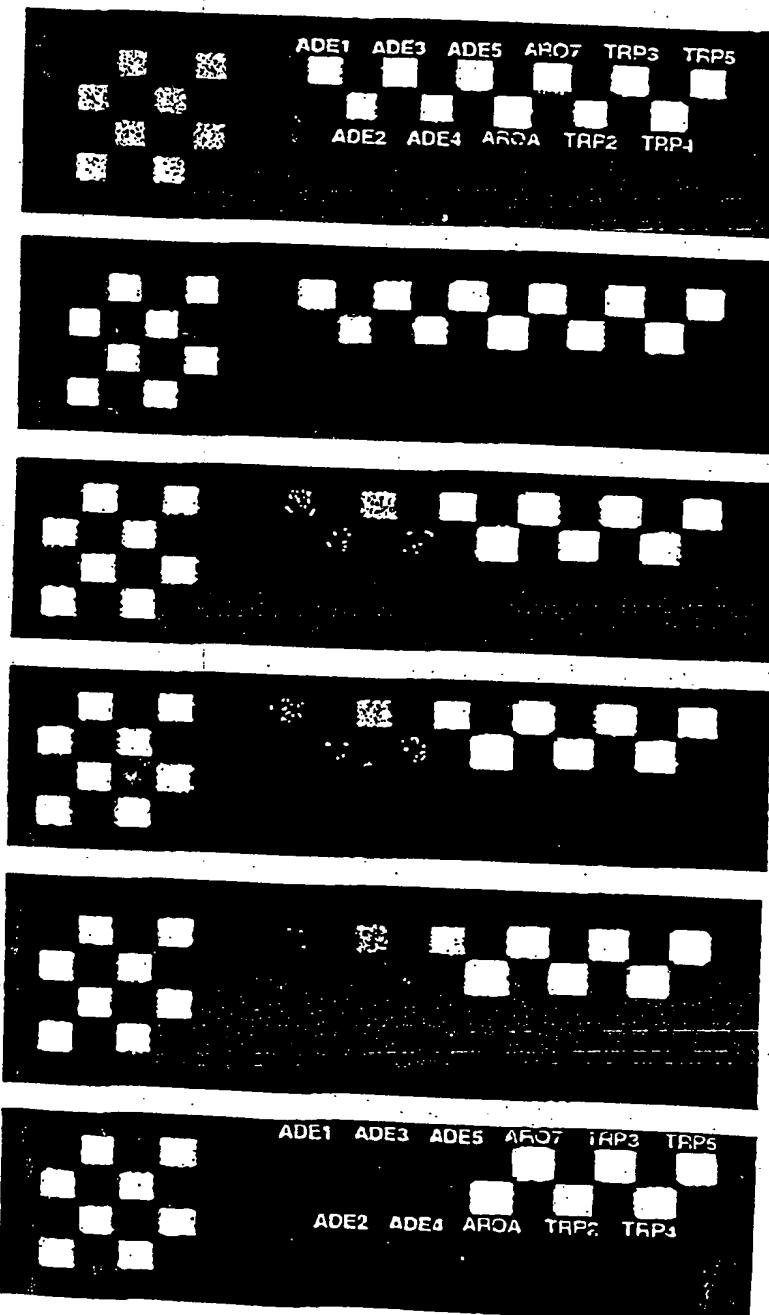


Figure 6B

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# TRP DROP-OUT MEDIA

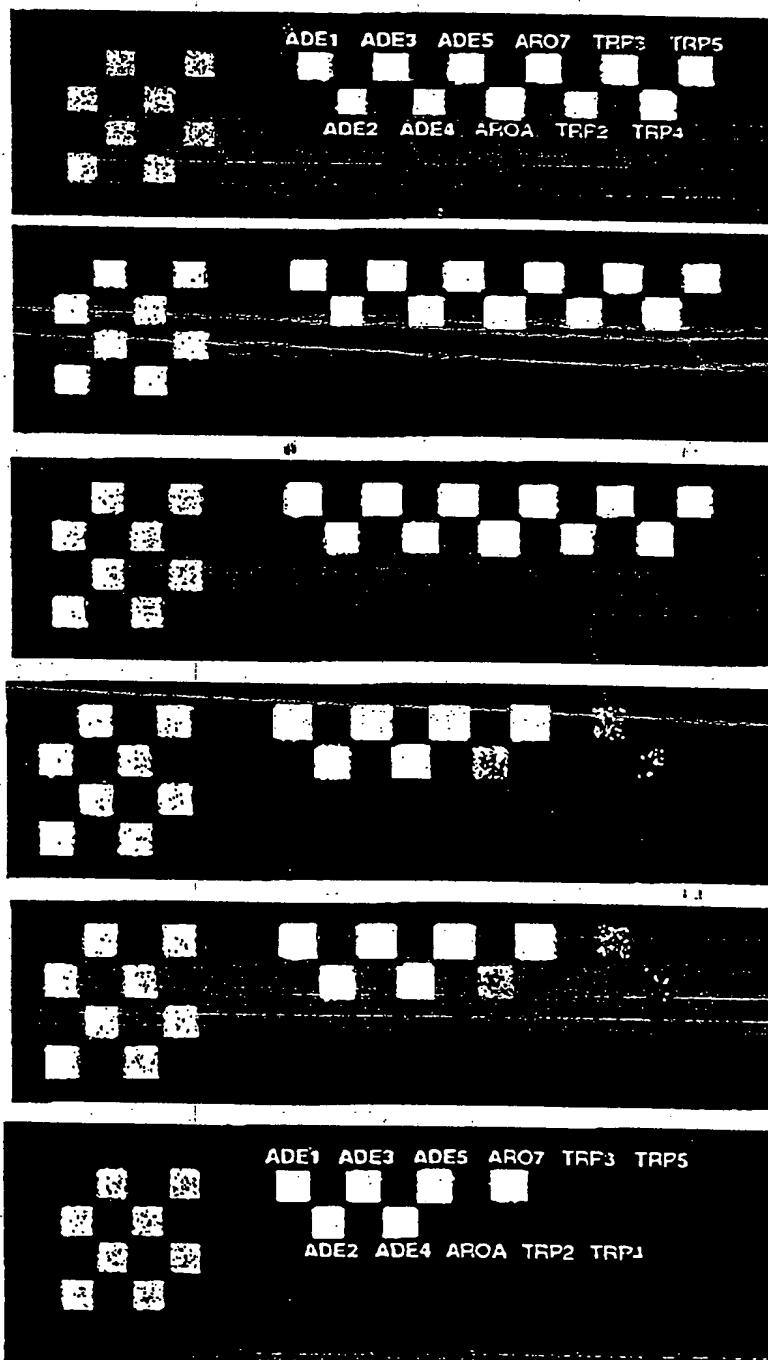


Figure 6C

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